

Patent Abstracts of Japan

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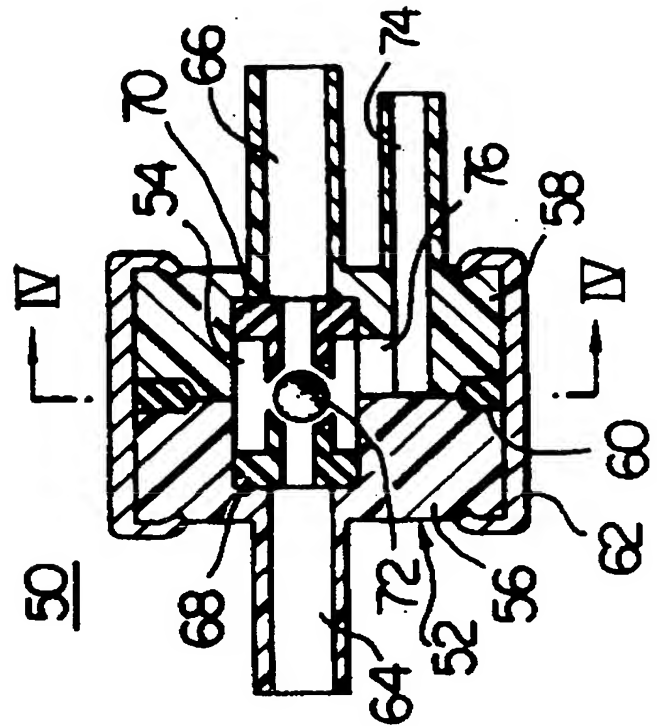
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APPLICANT : NIPPON DENSO CO LTD;

INVENTOR : MURASHIMA KAZUAKI;

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TITLE : NEGATIVE PRESSURE CONTROLLING
VALVE



ABSTRACT : PURPOSE: To provide a compact and light negative pressure controlling valve connected on the way of a hose by arranging first and second elastic annular valve seats spaced from and opposed to each other inside first and second ports in a valve chamber and a resin valve body between the annular valve seats.

CONSTITUTION: First and second annular rubber valve seats 68, 70 are arranged spaced from and opposed to each other inside first and second ports 64, 66 in a valve chamber 54, and a valve body 72 made of resin ball is arranged movably between these valve seats 68, 70. The first to third ports 64, 66 and 74 are connected to negative pressure piping. When negative pressure acts on the port 64, the valve body 72 is closely attached to the valve seat 68 to shut off communication between the port 64 and the valve chamber 54, and when negative pressure acts on the port 66, the valve body 72 is closely attached to the valve seat 70 to shut off communication between the port 66 and the valve chamber 54. When negative pressure acts on both ports 64 and 66, the valve body moves to the valve seat which belongs to the port having larger negative pressure.

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